|  | 10/051,558<br>Examiner   |          |   |          |          |          |                 |                |            |          |                              |          |          | _               | HIND ET AL.  |              |                    |          |          |                 |           |          |            |                 |                |                         |          |               |           |                 |  |
|--|--|----------|---|----------|----------|----------|-----------------|----------------|------------|----------|------------------------------|----------|----------|-----------------|--------------|--------------|--------------------|----------|----------|-----------------|-----------|----------|------------|-----------------|----------------|-------------------------|----------|---------------|-----------|-----------------|--|
|  |  |          |   |          |          |          |                 |                |            |          |                              |          | Examiner |                 |              |              |                    |          |          |                 |           | Art Unit |            |                 |                |                         |          |               |           |                 |  |
|  | 1 (BB) B1 (404) BB) 14 BB(B1 B1(B1 B1 B1(B1 B1 B1(B1 B1(B1 B1)B1(B1 B1)B1(B1 B1(B1 B1)B1(B1 B1(B1 B1)B1(B1 B1)B1(B1 B1)B1(B1 B1)B1(B1 B1(B1 B1)B1)B1(B1 B1(B1 B1)B1(B1 B1)B1)B1(B1 B1)B1(B1 B1)B1(B1)B1(B1 B1)B1(B1 B |          |   |          |          |          |                 |                |            |          |                              |          |          | Yicun Wu        |              |              |                    |          |          |                 |           |          | 2165       |                 |                |                         |          |               |           |                 |  |
|  |  |          |   |          |          |          |                 |                |            |          |                              |          |          |                 |              | _            |                    |          |          |                 | ,         |          |            |                 |                |                         |          |               |           |                 |  |
|  |  |          | 1   | Reject   |          |          | ed              |                |            | -        | (Through numera<br>Cancelled |          |          |                 | era          | al)          |                    | N        | N        | Non-Elected     |           |          |            | A               | Appeal         |                         |          |               |           |                 |  |
|  |  |          | =   | Allowed  |          |          |                 | ÷              | Restricted |          |                              | 1        |          |                 | ı            | Interference |                    |          |          |                 | 0         | Objected |            |                 |                |                         |          |               |           |                 |  |
|  | Cla  | aim      |   |          | Date     |          |                 |                |            |          |                              | Claim    |          |                 |              |              | e                  |          |          |                 | Cl        | aim      |            | Date            |                |                         |          |               |           |                 |  |
|  |  | <u>a</u> | 30  |          |          |          |                 |                |            |          |                              | _        | <u>a</u> | 8               | T            |              |                    |          |          |                 |           | _        | <u>a</u>   |                 |                |                         |          |               |           |                 |  |
|  | Final  | Original | 7-19-00   |          |          |          |                 |                |            |          |                              | Final    | Original | 90-61-2         |              |              |                    |          |          |                 |           | Final    | Original   |                 |                |                         |          |               |           |                 |  |
|  |  | 1        | Y   |          |          |          |                 |                |            |          | _                            |          | 51       | J               |              |              |                    |          |          |                 |           |          | 101        |                 |                |                         | $\Box$   |               |           |                 |  |
|  |  | 2        | Щ   |          |          |          | H               | _              | _          | -        | 4                            | <u> </u> | 52<br>53 | 77              | +            |              | ┼                  | _        | Н        | $\vdash \vdash$ | _         | <u> </u> | 102<br>103 | $\vdash$        | +              | Ш                       | -        | +             | +         | <u> </u>        |  |
|  |  | 3        | H   |          | Н        | _        | ┢╅              | $\dashv$       | $\dashv$   | +        | $\dashv$                     |          | 54       | 7               | +            | +            | ╁╌                 | $\vdash$ | -        | $\vdash$        | $\dashv$  | <u> </u> | 103        | $\vdash$        | +              | +                       | $\dashv$ | ╅             | +-        | $\vdash \dashv$ |  |
|  |  | 5        | Ш   |          |          |          | 口               | ゴ              |            |          |                              |          | 55       | v               |              |              |                    |          |          | 口               |           |          | 105        |                 |                |                         | 工        |               |           |                 |  |
|  |  | 6        | Ш   |          |          |          | Ш               | _              | _          | $\perp$  | 4                            |          | 56       | Н               | 4            |              | ╄-                 |          |          | $\vdash$        | _         |          | 106<br>107 | -               | +              | -                       |          | +             | +-        | $\vdash$        |  |
|  |  | 7<br>8   | H   |          |          |          | $\vdash \vdash$ |                | $\dashv$   | +        | $\dashv$                     |          | 57<br>58 | H               | +            | +            | ╁                  |          | Н        | -+              |           |          | 107        | $\vdash$        |                | ╁┼                      | $\dashv$ | ╁             | +         | $\vdash$        |  |
|  |  | 9        | Ш   |          |          |          | 口               |                |            |          |                              |          | 59       |                 |              |              |                    |          |          |                 |           |          | 109        |                 |                |                         | 1        |               |           |                 |  |
|  |  | 10       | Ш   |          | Ш        | _        | $\Box$          | $\Box$         |            | $\perp$  | _                            |          | 60       |                 | $\perp$      | $\perp$      |                    | _        |          | Н               |           |          | 110        | $\sqcup$        | _              | $\perp$                 | $\perp$  | $\perp$       | 1         | Ш               |  |
|  |  | 11<br>12 | Н   | _        | Н        |          | $\vdash \vdash$ | -              | -          | +        | $\dashv$                     |          | 61<br>62 | $\vdash$        | +            | +            | +                  | -        | Н        | Н               | $\dashv$  | <u> </u> | 111<br>112 | -               | +              | +                       | +        | +             | +         | Н               |  |
|  | -  | 13       | Н   |          | H        |          | $\vdash$        |                | -          | $\dashv$ | ┪                            |          | 63       |                 | +            | +            | +                  | $\vdash$ | Н        | $\forall$       | _         | $\vdash$ | 113        |                 | $\dashv$       | +                       | $\dashv$ | +             | +-        |                 |  |
|  |  | 14       | Ш   |          |          |          |                 |                |            |          |                              |          | 64       |                 |              |              |                    |          |          |                 |           |          | 114        |                 |                |                         |          |               |           |                 |  |
|  |  | 15       | Ш   |          |          |          | $\dashv$        | _              | _          |          |                              |          | 65       | -               |              | +            | $oldsymbol{\perp}$ | -        |          | $\vdash$        | _         |          | 115        | Н               | - -            | Н                       | +        | 4             | $\bot$    | $\square$       |  |
|  |  | 16<br>17 | Н   |          | Н        |          | $\dashv$        | +              | $\dashv$   | -        | $\dashv$                     |          | 66<br>67 | $\vdash$        | +            | +            | ╁                  | ├        | $\vdash$ | $\dashv$        | $\dashv$  |          | 116<br>117 | $\vdash$        |                | +                       |          | +             | +         | Н               |  |
|  |  | 18       | Н   |          |          |          | 一十              | $\neg \dagger$ | ┪          | ╅        | ┪                            |          | 68       | H               | +            | +            | ╁                  | Н        | Н        |                 | $\dashv$  |          | 118        | H               | +              | $\Box$                  | +        | 十             | +         | $\vdash$        |  |
|  |  | 19       | Ш   |          |          |          | 口               |                |            |          |                              |          | 69       |                 |              |              |                    |          |          |                 |           |          | 119        |                 | $\blacksquare$ |                         | $\Box$   | ightharpoonup |           |                 |  |
|  | <u> </u>   | 20       | Ш   | _        | -        |          | $\dashv$        | _              | _          | 4        | 4                            |          | 70       | $\vdash$        | -            | - -          | ╂                  | ⊢        |          | $\dashv$        | _         | <u> </u> | 120        | $\vdash$        | _              | +                       | -        | - -           | +-        | Н               |  |
|  | _  | 21<br>22 | Н   |          | -        | Н        | $\vdash$        |                |            |          | ┪                            |          | 71<br>72 | ├─┼             | -+           | +            | +                  | $\vdash$ | Н        | $\dashv$        | $\dashv$  |          | 121<br>122 | Н               | +              | +                       | +        | ╁             | ╅┈        | $\vdash$        |  |
|  |  | 23       | Н   | _        |          |          | 一               | T              | $\dashv$   | $\top$   | 7                            |          | 73       | H               | $\top$       | +            | +                  | -        |          |                 | $\dashv$  |          | 123        | $\Box$          | 十              | $\Box$                  | 1        | 十             | $\dagger$ |                 |  |
|  |  | 24       | П   |          |          |          | $\Box$          |                |            |          |                              |          | 74       | П               | $\Box$       |              | $\prod$            |          |          |                 |           |          | 124        | П               |                |                         |          | $\perp$       |           |                 |  |
|  |  | 25<br>26 | Ш   |          |          |          | $\vdash$        | -              | _          |          | 4                            | ļ        | 75<br>76 | -               |              | +            | -                  | -        | $\dashv$ | $\dashv$        | -         |          | 125<br>126 | $\vdash \vdash$ |                | +i                      | +        | +             | +         | Н               |  |
|  |  | 27       | Н   |          | $\vdash$ | Н        | $\vdash$        | $\dashv$       | -          | -        | $\dashv$                     |          | 77       |                 | +            | +            | +                  | $\vdash$ | Н        | $\dashv$        | $\dashv$  |          | 127        | $\vdash$        | +              | +                       | +        | +             | +         | Н               |  |
|  |  | 28       | Ш   |          |          |          |                 | I              |            |          |                              |          | 78       |                 | $\Box$       |              |                    |          |          |                 |           |          | 128        |                 |                |                         |          |               |           |                 |  |
|  |  | 29       | Ш   |          |          |          | $\Box$          | $\perp$        |            |          |                              | <u> </u> | 79       | Ц               | $\perp$      | 4            | $oldsymbol{\perp}$ |          |          | Ш               | _         |          | 129        |                 |                | $\sqcup$                |          | _             | 1         | Ш               |  |
|  | $\vdash\vdash$   | 30<br>31 | Н   |          | $\vdash$ | $\vdash$ | $\dashv$        | $\dashv$       | $\dashv$   | +        | $\dashv$                     |          | 80<br>81 | $\vdash$        | +            | +-           | +                  | -        | $\vdash$ | +               | $\dashv$  | -        | 130<br>131 | $\vdash$        | -              | +                       | $\dashv$ | +             | +         | $\vdash$        |  |
|  |  | 32       | H   |          | H        |          | $\Box$          | _              | ╗          | $\dashv$ | ٦.                           |          | 82       | $\vdash \vdash$ | $^{+}$       | $\top$       | +                  |          |          | $\Box$          | $\exists$ |          | 132        |                 | $\top$         | $\forall \exists$       |          | $\perp$       | T         | Н               |  |
|  |  | 33       | Ш   |          |          | $\Box$   | 二               | $\Box$         | $\Box$     | $\Box$   |                              |          | 83       |                 |              | $\perp$      |                    |          |          | $\Box$          | $\Box$    |          | 133        | П               |                | П                       | $\Box$   |               |           | $\square$       |  |
|  | <b>_</b>   | 34<br>35 | H   | $\Box$   |          | $\sqcup$ | $\dashv$        | +              |            | +        | $\dashv$                     |          | 84<br>85 | $\vdash$        | +            | +            | 1                  | $\vdash$ |          |                 | $\dashv$  | <u> </u> | 134<br>135 | $\vdash \vdash$ | +              | +                       |          | +             | +         | Н               |  |
|  |  | 36       | Н   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$       | $\dashv$   | +        | ┥                            | <u> </u> | 86       |                 | $\dashv$     | ╁            | +                  | $\vdash$ | $\dashv$ | $\dashv$        | $\dashv$  |          | 136        | H               | $\dashv$       | +                       | +        | +             | +         | Н               |  |
|  |  | 37       | Ш   |          |          |          |                 |                |            | 土        |                              |          | 87       |                 | 士            |              |                    |          |          |                 |           |          | 137        |                 |                |                         |          | 士             |           |                 |  |
|  |  | 38       | Щ   |          |          |          |                 | $\perp$        |            | 4        | _                            |          | 88       |                 | $\perp$      |              | <u> </u>           |          |          |                 |           |          | 138        | П               | 1              |                         | _        | $\perp$       | _         | $\Box$          |  |
|  |  | 39<br>40 | $\mathbb{H}$  | $\dashv$ | $\dashv$ | -        | $\dashv$        | $\dashv$       | $\dashv$   | -        | -                            | <u> </u> | 89<br>90 | $\vdash$        | +            | +            | $\vdash$           |          | $\dashv$ | $\dashv$        | -         |          | 139<br>140 | $\vdash$        | +              | ++                      | $\dashv$ | +             | +         | $\vdash$        |  |
|  |  | 41       | $  \parallel  $   |          | H        | $\dashv$ | $\exists$       | $\dagger$      |            | $\perp$  | 7                            |          | 91       |                 | +            | +            | 1                  | Н        |          | $\vdash$        | $\dashv$  |          | 141        | $\vdash$        | +              | $\dagger \dagger$       | _        | +             | +         | H               |  |
|  |  | 42       | Ш   |          |          |          | $\sqsupset$     | $\Box$         |            |          | ]                            |          | 92       |                 | $\downarrow$ | $\perp$      |                    |          |          |                 |           |          | 142        |                 | 工              | $\Box$                  | $\perp$  | $\perp$       |           | 口               |  |
|  | <u> </u>   | 43       | $ \!$ | 4        | _        | _        | $\dashv$        | $\dashv$       | $\dashv$   | +        | 4                            | <u> </u> | 93<br>94 | $\vdash \vdash$ | $\dashv$     | +-           | -                  | $\vdash$ | -        | $\dashv$        | $\dashv$  | <u> </u> | 143<br>144 | $\vdash \vdash$ | +              | $\downarrow \downarrow$ | _        | +             | +         | Н               |  |
|  | H  | 44<br>45 | $\mathbb{H}$  |          | $\dashv$ |          | +               | +              | $\dashv$   | +        | $\dashv$                     | -        | 95       | $\dashv$        | +            | +            | +                  | Н        | $\dashv$ | -               | $\dashv$  |          | 144        | $\vdash$        | +              | +                       | +        | +             | +         | Н               |  |
|  |  | 46       | 1   |          |          |          | 士               |                |            | 士        | ]                            |          | 96       |                 | 士            |              |                    |          |          |                 |           |          | 146        |                 | 士              |                         |          | 士             | $\perp$   | H               |  |
|  |  | 47       |   | $\Box$   | Ц        |          | I               | Ţ              | $\Box$     | T        | ]                            |          | 97       | $\Box$          | Ţ            |              | $\Box$             | П        |          | $\bot$          |           |          | 147        |                 | $\perp$        | $\Box$                  | 工        | $\bot$        |           | П               |  |
|  | $\vdash$   | 48<br>49 | ;   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +              | $\dashv$   | +        | -                            |          | 98<br>99 | $\vdash$        | +            | +            | $\vdash$           | Н        | $\dashv$ | +               | $\dashv$  |          | 148<br>149 | $\vdash$        | +              | +                       | +        | +             | +-        | Н               |  |
|  | $\vdash \vdash \vdash$   | 50       | +   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$       | $\dashv$   | +        | -                            |          | 100      | $\dashv$        | +            | +            | $\vdash$           | H        | $\dashv$ | +               | -         |          | 150        | $\dashv$        | +              | $\dagger \dagger$       | +        | +             | +         | H               |  |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination